

# Hao Yang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2942731/publications.pdf>

Version: 2024-02-01

81  
papers

2,572  
citations

186209

28  
h-index

233338

45  
g-index

83  
all docs

83  
docs citations

83  
times ranked

3926  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of mesenchymal stem cells derived from gingival tissue and periodontal ligament in different incubation conditions. <i>Biomaterials</i> , 2013, 34, 7033-7047.	5.7	162
2	The roles and regulation of Sertoli cells in fate determinations of spermatogonial stem cells and spermatogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2014, 29, 66-75.	2.3	161
3	Quercetin prevents necroptosis of oligodendrocytes by inhibiting macrophages/microglia polarization to M1 phenotype after spinal cord injury in rats. <i>Journal of Neuroinflammation</i> , 2019, 16, 206.	3.1	111
4	NLRP3/ASC-mediated alveolar macrophage pyroptosis enhances HMGB1 secretion in acute lung injury induced by cardiopulmonary bypass. <i>Laboratory Investigation</i> , 2018, 98, 1052-1064.	1.7	107
5	Natural products for treatment of bone erosive diseases: The effects and mechanisms on inhibiting osteoclastogenesis and bone resorption. <i>International Immunopharmacology</i> , 2016, 36, 118-131.	1.7	95
6	Generation of Haploid Spermatids with Fertilization and Development Capacity from Human Spermatogonial Stem Cells of Cryptorchid Patients. <i>Stem Cell Reports</i> , 2014, 3, 663-675.	2.3	82
7	Aligned PCL Fiber Conduits Immobilized with Nerve Growth Factor Gradients Enhance and Direct Sciatic Nerve Regeneration. <i>Advanced Functional Materials</i> , 2020, 30, 2002610.	7.8	77
8	Sperm Protamine mRNA Ratio and DNA Fragmentation Index Represent Reliable Clinical Biomarkers for Men with Varicocele after Microsurgical Varicocele Ligation. <i>Journal of Urology</i> , 2014, 192, 170-176.	0.2	68
9	Application of bee venom and its main constituent melittin for cancer treatment. <i>Cancer Chemotherapy and Pharmacology</i> , 2016, 78, 1113-1130.	1.1	68
10	Biological Roles of Olfactory Ensheathing Cells in Facilitating Neural Regeneration: A Systematic Review. <i>Molecular Neurobiology</i> , 2015, 51, 168-179.	1.9	66
11	Global Trends in Research of Macrophages Associated With Acute Lung Injury Over Past 10 Years: A Bibliometric Analysis. <i>Frontiers in Immunology</i> , 2021, 12, 669539.	2.2	65
12	The Promotive Effects of Thymosin $\beta$ 4 on Neuronal Survival and Neurite Outgrowth by Upregulating L1 Expression. <i>Neurochemical Research</i> , 2008, 33, 2269-2280.	1.6	60
13	De-differentiation Response of Cultured Astrocytes to Injury Induced by Scratch or Conditioned Culture Medium of Scratch-Insulted Astrocytes. <i>Cellular and Molecular Neurobiology</i> , 2009, 29, 455-473.	1.7	60
14	Involvement of $\alpha$ 7 nAChR Signaling Cascade in Epigallocatechin Gallate Suppression of $\beta$ 2-Amyloid-Induced Apoptotic Cortical Neuronal Insults. <i>Molecular Neurobiology</i> , 2014, 49, 66-77.	1.9	54
15	Phagocytic Removal of Neuronal Debris by Olfactory Ensheathing Cells Enhances Neuronal Survival and Neurite Outgrowth via p38MAPK Activity. <i>Molecular Neurobiology</i> , 2014, 49, 1501-1512.	1.9	47
16	Pyruvate kinase M2 interacts with nuclear sterol regulatory element-binding protein 1a and thereby activates lipogenesis and cell proliferation in hepatocellular carcinoma. <i>Journal of Biological Chemistry</i> , 2018, 293, 6623-6634.	1.6	47
17	Direct transdifferentiation of spermatogonial stem cells to morphological, phenotypic and functional hepatocyte-like cells via the ERK1/2 and Smad2/3 signaling pathways and the inactivation of cyclin A, cyclin B and cyclin E. <i>Cell Communication and Signaling</i> , 2013, 11, 67.	2.7	46
18	Neuronal Abelson helper integration site-1 (Ahi1) deficiency in mice alters TrkB signaling with a depressive phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19126-19131.	3.3	45

#	ARTICLE	IF	CITATIONS
19	Non-canonical roles of PFKFB3 in regulation of cell cycle through binding to CDK4. <i>Oncogene</i> , 2018, 37, 1685-1698.	2.6	45
20	Efficient generation of functional Schwann cells from adipose-derived stem cells in defined conditions. <i>Cell Cycle</i> , 2017, 16, 841-851.	1.3	42
21	Biotoxins for Cancer Therapy. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 4753-4758.	0.5	42
22	Genetic analysis of SNPs in <i>CACNA1C</i> and <i>ANKK1</i> gene with schizophrenia: A comprehensive meta-analysis. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2015, 168, 637-648.	1.1	38
23	Generation of male differentiated germ cells from various types of stem cells. <i>Reproduction</i> , 2014, 147, R179-R188.	1.1	37
24	Involvement of $\alpha 7$ nAChR in the Protective Effects of Genistein Against $\beta 2$ -Amyloid-Induced Oxidative Stress in Neurons via a PI3K/Akt/Nrf2 Pathway-Related Mechanism. <i>Cellular and Molecular Neurobiology</i> , 2021, 41, 377-393.	1.7	33
25	Antioxidant activity of mesenchymal stem cell-derived extracellular vesicles restores hippocampal neurons following seizure damage. <i>Theranostics</i> , 2021, 11, 5986-6005.	4.6	33
26	TSG-6 secreted by bone marrow mesenchymal stem cells attenuates intervertebral disc degeneration by inhibiting the TLR2/NF- $\kappa$ B signaling pathway. <i>Laboratory Investigation</i> , 2018, 98, 755-772.	1.7	32
27	Neuroprotective effects of natural compounds on neurotoxin-induced oxidative stress and cell apoptosis. <i>Nutritional Neuroscience</i> , 2022, 25, 1078-1099.	1.5	32
28	In vitro beneficial activation of microglial cells by mechanically-injured astrocytes enhances the synthesis and secretion of BDNF through p38MAPK. <i>Neurochemistry International</i> , 2012, 61, 175-186.	1.9	31
29	Non-catalytic roles for TET1 protein negatively regulating neuronal differentiation through srGAP3 in neuroblastoma cells. <i>Protein and Cell</i> , 2016, 7, 351-361.	4.8	31
30	Direct Conversion of Somatic Cells into Induced Neurons. <i>Molecular Neurobiology</i> , 2018, 55, 642-651.	1.9	31
31	Current Progress of Research on Neurodegenerative Diseases of Salvianolic Acid B. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-9.	1.9	29
32	Efficient Conversion of Spermatogonial Stem Cells to Phenotypic and Functional Dopaminergic Neurons via the PI3K/Akt and P21/Smurf2/Nolz1 Pathway. <i>Molecular Neurobiology</i> , 2015, 52, 1654-1669.	1.9	27
33	Lipopolysaccharide and Curcumin Co-Stimulation Potentiates Olfactory Ensheathing Cell Phagocytosis Via Enhancing Their Activation. <i>Neurotherapeutics</i> , 2017, 14, 502-518.	2.1	27
34	Sonic Hedgehog Effectively Improves Oct4-Mediated Reprogramming of Astrocytes into Neural Stem Cells. <i>Molecular Therapy</i> , 2019, 27, 1467-1482.	3.7	25
35	Nodal Promotes the Self-Renewal of Human Colon Cancer Stem Cells via an Autocrine Manner through Smad2/3 Signaling Pathway. <i>BioMed Research International</i> , 2014, 2014, 1-11.	0.9	24
36	Conversion of Adipose Tissue-Derived Mesenchymal Stem Cells to Neural Stem Cell-Like Cells by a Single Transcription Factor, Sox2. <i>Cellular Reprogramming</i> , 2015, 17, 221-226.	0.5	24

#	ARTICLE	IF	CITATIONS
37	Transplantation of activated olfactory ensheathing cells by curcumin strengthens regeneration and recovery of function after spinal cord injury in rats. <i>Cytherapy</i> , 2020, 22, 301-312.	0.3	23
38	Sonic hedgehog released from scratch-injured astrocytes is a key signal necessary but not sufficient for the astrocyte de-differentiation. <i>Stem Cell Research</i> , 2012, 9, 156-166.	0.3	22
39	Exosomes derived from olfactory ensheathing cells provided neuroprotection for spinal cord injury by switching the phenotype of macrophages/microglia. <i>Bioengineering and Translational Medicine</i> , 2022, 7, .	3.9	22
40	Fibroblast Growth Factor 4 Is Required but not Sufficient for the Astrocyte Dedifferentiation. <i>Molecular Neurobiology</i> , 2014, 50, 997-1012.	1.9	21
41	Therapeutical Strategies for Spinal Cord Injury and a Promising Autologous Astrocyte-Based Therapy Using Efficient Reprogramming Techniques. <i>Molecular Neurobiology</i> , 2016, 53, 2826-2842.	1.9	21
42	Electroacupuncture Pretreatment Attenuates Acute Lung Injury Through $\alpha 7$ Nicotinic Acetylcholine Receptor-Mediated Inhibition of HMGB1 Release in Rats After Cardiopulmonary Bypass. <i>Shock</i> , 2018, 50, 351-359.	1.0	21
43	Generation of functional dopaminergic neurons from human spermatogonial stem cells to rescue parkinsonian phenotypes. <i>Stem Cell Research and Therapy</i> , 2019, 10, 195.	2.4	21
44	Baicalin attenuates blood-spinal cord barrier disruption and apoptosis through PI3K/Akt signaling pathway after spinal cord injury. <i>Neural Regeneration Research</i> , 2022, 17, 1080.	1.6	21
45	The promoting effects of activated olfactory ensheathing cells on angiogenesis after spinal cord injury through the PI3K/Akt pathway. <i>Cell and Bioscience</i> , 2022, 12, 23.	2.1	20
46	ErbB2 activation contributes to de-differentiation of astrocytes into radial glial cells following induction of scratch-insulted astrocyte conditioned medium. <i>Neurochemistry International</i> , 2011, 59, 1010-1018.	1.9	19
47	Long-Term Primary Culture of Highly-Pure Rat Embryonic Hippocampal Neurons of Low-Density. <i>Neurochemical Research</i> , 2010, 35, 1333-1342.	1.6	18
48	Optimized and efficient preparation of astrocyte cultures from rat spinal cord. <i>Cytotechnology</i> , 2007, 52, 87-97.	0.7	17
49	Chemical conversion of mouse fibroblasts into functional dopaminergic neurons. <i>Experimental Cell Research</i> , 2016, 347, 283-292.	1.2	17
50	MicroRNA-Mediated Reprogramming of Somatic Cells into Neural Stem Cells or Neurons. <i>Molecular Neurobiology</i> , 2017, 54, 1587-1600.	1.9	17
51	An Alternative Long-Term Culture System for Highly-Pure Mouse Spermatogonial Stem Cells. <i>Journal of Cellular Physiology</i> , 2015, 230, 1365-1375.	2.0	16
52	Potential molecular mechanisms mediating the protective effects of tetrahydroxystilbene glucoside on MPP <sup>+</sup> -induced PC12 cell apoptosis. <i>Molecular and Cellular Biochemistry</i> , 2017, 436, 203-213.	1.4	16
53	Thymosin- $\beta 4$ Attenuates Ethanol-induced Neurotoxicity in Cultured Cerebral Cortical Astrocytes by Inhibiting Apoptosis. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 149-160.	1.7	15
54	Direct conversion of mouse fibroblasts to GABAergic neurons with combined medium without the introduction of transcription factors or miRNAs. <i>Cell Cycle</i> , 2015, 14, 2451-2460.	1.3	15

#	ARTICLE	IF	CITATIONS
55	Expression and Role of Leptin under Hypoxic Conditions in Human Testis: Organotypic In Vitro Culture Experiment and Clinical Study on Patients with Varicocele. <i>Journal of Urology</i> , 2015, 193, 360-367.	0.2	14
56	The skeletal renin-angiotensin system: A potential therapeutic target for the treatment of osteoarticular diseases. <i>International Immunopharmacology</i> , 2019, 72, 258-263.	1.7	14
57	Daphnetin Alleviates Experimental Autoimmune Encephalomyelitis via Regulating Dendritic Cell Activity. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 558-567.	1.9	13
58	Comparative pharmacokinetic study on phenolic acids and flavonoids in spinal cord injury rats plasma by UPLC-MS/MS after single and combined oral administration of danshen and Huangqin extract. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 172, 103-112.	1.4	13
59	Asexuality Development among Middle Aged and Older Men. <i>PLoS ONE</i> , 2014, 9, e92794.	1.1	13
60	Evidence for Heterogeneity of Astrocyte De-Differentiation in vitro: Astrocytes Transform into Intermediate Precursor Cells Following Induction of ACM from Scratch-Insulted Astrocytes. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 483-491.	1.7	12
61	Neuroprotective effects of natural compounds on LPS-induced inflammatory responses in microglia. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 2353-2378.	0.0	12
62	Bioinformatics analysis of genetic variants of endoplasmic reticulum aminopeptidase 1 in ankylosing spondylitis. <i>Molecular Medicine Reports</i> , 2017, 16, 6532-6543.	1.1	11
63	Subpopulations of cancer stem cells found in papillary thyroid carcinoma. <i>Experimental Cell Research</i> , 2018, 362, 515-524.	1.2	11
64	Danshen extract ( <i>Salvia miltiorrhiza</i> Bunge) attenuate spinal cord injury in a rat model: A metabolomic approach for the mechanism study. <i>Phytomedicine</i> , 2019, 62, 152966.	2.3	11
65	Promotive effects of tetrahydroxystilbene glucoside on the differentiation of neural stem cells from the mesencephalon into dopaminergic neurons. <i>Neuroscience Letters</i> , 2021, 742, 135520.	1.0	11
66	Huangqin flavonoid extraction for spinal cord injury in a rat model. <i>Neural Regeneration Research</i> , 2018, 13, 2200.	1.6	9
67	Retinoic Acid and Human Olfactory Ensheathing Cells Cooperate to Promote Neural Induction From Human Bone Marrow Stromal Stem Cells. <i>NeuroMolecular Medicine</i> , 2013, 15, 252-264.	1.8	8
68	Efficient Generation of Functionally Active Spinal Cord Neurons from Spermatogonial Stem Cells. <i>Molecular Neurobiology</i> , 2017, 54, 788-803.	1.9	8
69	Regulation of Neurogenesis and Neuronal Differentiation by Natural Compounds. <i>Current Stem Cell Research and Therapy</i> , 2022, 17, 756-771.	0.6	8
70	The Immunological Roles of Olfactory Ensheathing Cells in the Treatment of Spinal Cord Injury. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	8
71	Yam-Containing Serum Promotes Proliferation and Chondrogenic Differentiation of Rabbit Bone Marrow Mesenchymal Stem Cells and Synthesis of Glycosaminoglycan. <i>Pharmacology</i> , 2020, 105, 377-385.	0.9	6
72	Tetramethylpyrazine induces the release of BDNF from BMâ€MSCs through activation of the PI3K/AKT/CREB pathway. <i>Cell Biology International</i> , 2021, 45, 2429-2442.	1.4	6

#	ARTICLE	IF	CITATIONS
73	Phase Detection Based on the Lock-in Amplifier SR844 and Experiments of Brain Neuron Cells in MIT System. , 2008, , .		5
74	Spermatogonial stem cells are a promising and pluripotent cell source for regenerative medicine. American Journal of Translational Research (discontinued), 2020, 12, 7048-7059.	0.0	5
75	Morphological and genetical changes of endothelial progenitor cells after in - vitro conversion into photoreceptors. Journal of Photochemistry and Photobiology B: Biology, 2018, 183, 127-132.	1.7	4
76	Spinal cord stimulation versus other therapies in patients with Refractory Angina: A meta-analysis. Translational Perioperative and Pain Medicine, 2017, 2, 31-41.	0.0	4
77	The involvement of bioactive factors in the self-renewal and stemness maintenance of spermatogonial stem cells. Molecular and Cellular Biochemistry, 2021, 476, 1813-1823.	1.4	3
78	Inhibition of the norepinephrine transporter rescues vascular hyporeactivity to catecholamine in obstructive jaundice. European Journal of Pharmacology, 2021, 900, 174055.	1.7	3
79	Analysis and comparison of a spinal cord injury model with a single-axle-lever clip or a parallel-moving clip compression in rats. Spinal Cord, 2021, , .	0.9	3
80	Design and Implementation of a New Type Excitation Source and the Optimal Excitation Coil for MIT. , 2008, , .		2
81	Bone Regeneration and Angiogenesis by Co-transplantation of Angiotensin IIâ€™Pretreated Mesenchymal Stem Cells and Endothelial Cells in Early Steroid-Induced Osteonecrosis of the Femoral Head. Cell Transplantation, 2022, 31, 096368972210869.	1.2	2